

1 **ABSTRACT**

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3 A data processing application uses a translation file to render a visual surface  
4 based on underlying structured data. The data processing application provides mapping  
5 between nodes associated with the visual surface and nodes associated with the structured  
6 data. The mapping is generated in two phases. In a first phase, the data processing  
7 application adds mapping functions to the translation file. In the second phase, the data  
8 processing application renders the visual surface on the basis of a specific instance of the  
9 structured data, and, in the process, executes the mapping functions within the translation  
10 file to provide specific pointer information that is embedded amongst the nodes  
11 associated with the visual surface.  
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